LLDPE

4222F

LLDPE for heavy packaging films

Application

Film, Heavy duty bag, Lamination film

Characteristics

Excellent mechanical properties, Excellent processability, Good heat-sealing, Non-slip

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	1
Density	ASTM D1505	g/㎤	0.921
Melt temperature	HTC Method	℃	121

Note: Data shown above are representative values for reference purposes only, and not to be construed as specifications.

Film properties

Item	Test Method	Unit	Typical value
Tensile strength at break (MD)	ASTM D638	kg/㎠	480
Tensile strength at break (TD)	ASTM D638	kg/㎠	390
Elongation at break (MD)	ASTM D638	%	550
Elongation at break (TD)	ASTM D638	%	870
Elmendorf tear strength (MD)	ASTM D1922	kg/㎠	80
Elmendorf tear strength (TD)	ASTM D1922	kg/㎠	240
Dart drop impact strength	ASTM D1709	g	150
Haze	ASTM D1003	%	25
Gloss (45°)	ASTM D2457	%	30

Note) The above data is a representative value for reference and is the result of measuring a 25 μm blown film under condition of Φ50mm extruder, BUR 2.0.

Processing conditions

Item	Unit	Typical value
Hopper unit	℃	170
Cylinder temperature	℃	180 ~ 190
Head temperature	℃	180 ~ 190
Temperature of Die unit	℃	190 ~ 200

※ Actual temperature conditions vary depending on extruder conditions such as screw type and die structure, film standard, extrusion amount, etc.

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